

Title (en)

BACK-CONTACT SOLAR CELL AND SOLAR CELL MODULE INCLUDING SAME

Title (de)

RÜCKKONTAKT-SOLARZELLE UND SOLARZELLENMODUL DAMIT

Title (fr)

PILE PHOTOVOLTAÏQUE À CONTACT DE REPOS ET MODULE PHOTOVOLTAÏQUE LA COMPRENANT

Publication

**EP 4002492 B1 20220831 (EN)**

Application

**EP 20215555 A 20201218**

Priority

CN 202011307889 A 20201119

Abstract (en)

[origin: EP4002492A1] The present disclosure provides a back-contact solar cell and a solar cell module. The back-contact solar cell includes: a substrate including a light-receiving surface and a back surface opposite to the light-receiving surface; wherein the substrate is divided to a center region and connecting regions on opposite sides of the center region; positive electrodes and negative electrodes disposed on the back surface of the substrate; auxiliary positive electrodes, disposed on one or both of the light-receiving surface and a side surface of each of the connecting regions, and configured to be electrically connected to the plurality of positive electrodes; and auxiliary negative electrodes, disposed on one or both of the light-receiving surface and the side surface of each of the connecting regions, and configured to be electrically connected to the plurality of negative electrodes.

IPC 8 full level

**H01L 31/0224** (2006.01); **H01L 31/05** (2014.01)

CPC (source: CN EP US)

**H01L 31/022433** (2013.01 - CN EP); **H01L 31/022441** (2013.01 - CN EP US); **H01L 31/0516** (2013.01 - EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**EP 4002492 A1 20220525**; **EP 4002492 B1 20220831**; AU 2020289882 B1 20210826; CN 112466965 A 20210309; CN 112466965 B 20220603; US 11380807 B2 20220705; US 2022158010 A1 20220519

DOCDB simple family (application)

**EP 20215555 A 20201218**; AU 2020289882 A 20201220; CN 202011307889 A 20201119; US 202017127828 A 20201218